

Abstract of the Disclosure

A multiplicity of processor elements that are arranged in rows and columns individually execute data processing in accordance with instruction codes that are individually set as data and supply event data as output. A state control unit is composed of a plurality of units that successively switch the instruction codes of the multiplicity of processor elements in accordance with a computer program and the event data, these state control units communicating with each other to realize linked operation as necessary. An event distributing means distributes event data to this plurality of state control units that intercommunicate to realize linked operation, whereby the plurality of state control units can realize linked operation to control a large-scale state transition.